

# Iowa Science Teachers Journal

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## PEMAP

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Remember, this is the last period before Christmas, so depending on the class, end with a bit of chemistry: Why did the mixture foam when the bicarbonate was added? Why use two sugars? (It prevents crystallization.)

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### Metric Punch (30-35 people)

1.38 ℓ pineapple juice  
1.0 ℓ H<sub>2</sub>O  
0.9 kg C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>  
9 g C<sub>3</sub>H<sub>4</sub>(OH)(COOH)<sub>3</sub>  
1.0 ℓ ginger ale  
1.0 kg frozen hydrogen oxide  
Add C<sub>2</sub>H<sub>5</sub> OH — containing liquid as you please.  
Mix all of the above, adding ginger ale last.

— A g n e s H u n t ,  
Birmingham Board of  
Education, Birmingham,  
Alabama

### PEMAP

The President's Environmental Merit Awards Program, similar to the Presidential Fitness Awards Program, was initiated in 1971 by the President of the United States to say "Thank you!" to millions of young Americans who devoted time and energy to improving environmental quality.

Primary through high school students, sponsored by their teacher or club leader, have undertaken environmental projects ranging from testing water quality to studying traffic patterns and received awards which are judged and administered locally. A kit of suggested activities and rules for organization are now available from the Environmental Protection Agency for the 1975-76 school year.

During the 1974-75 school year only twelve schools in Iowa were enrolled in the program. Kits and enrollment information are available from PEMAP, 401 M Street, S.W., Washington, D.C. 20460.